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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,340	07/09/2003	Hideaki Kato	T36-156717M/AIO NGB.267	8712
21254	7590	12/16/2004	EXAMINER	
MCGINN & GIBB, PLLC 8321 OLD COURTHOUSE ROAD SUITE 200 VIENNA, VA 22182-3817			TRAN, CHUC	
			ART UNIT	PAPER NUMBER
			2821	

DATE MAILED: 12/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/615,340	Applicant(s) KATO ET AL.	
	Examiner Chuc D Tran	Art Unit 2821	<i>AW</i>

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>7/9/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Vazan (USP. 6,753,897).

Regarding claim 1, Vazan disclose a method of arranging a required number of LEDs, comprising the steps of:

- storing characteristic values of each of said LEDs (Col. 6, Line 7) measured in characteristic measurement (Col. 6, Line 13);

- temporarily keeping said LEDs after storing said characteristic values (Col. 3, Line 60); and

- rearranging said LEDs to make said characteristic values of each adjacent LEDs substantially equal (Col. 6, Line 15) (Col. 4, Line 3).

Regarding claim 2, Vazan disclose that each of said adjacent LEDs are arranged so that the characteristic value of one LED is not larger than that of another LED (Col. 4, Line 3).

Regarding claim 3, Vazan disclose a predetermined number of the LEDs are rearranged to make said characteristic values of each adjacent LEDs substantially equal, after said LEDs are measured and temporarily kept (Col. 6, Line 11).

Art Unit: 2821

Regarding claim 4, Vazan disclose that said characteristic value is a light intensity of said LEDs (Col. 4, Line 5).

Regarding claim 5, Vazan disclose a method of arranging a required number of light emitting elements comprising the steps of:

- storing characteristic values of each of said light emitting elements (36) (Col. 3, Line 38) measured in characteristic measurement (Col. 3, Line 42);
- temporarily keeping said light emitting elements after storing said characteristic values (Col. 3, Line 60); and
- rearranging said light emitting elements to make said characteristic values of each adjacent light emitting elements substantially equal (Col. 6, Line 15) (Col. 4, Line 3).

Regarding claim 6, Vazan disclose that each of said adjacent light emitting elements are arranged so that the characteristic value of one light emitting elements is not larger than that of another light emitting elements (Col. 4, Line 3).

Regarding claim 7, Vazan disclose a predetermined number of the light emitting elements are rearranged to make said characteristic values of each adjacent light emitting elements substantially equal, after said light emitting elements are measured and temporarily kept (Col. 6, Line 11).

Regarding claim 8, Vazan disclose that said characteristic value is a light intensity of said light emitting elements (Col. 4, Line 5).

Art Unit: 2821

Citation of relevant Prior Art

Prior art Haavisto (US 2001/0007470) disclose measurement of illumination conditions.

Prior art Wada et al (USP. 6,469,727) disclose optical quantity measuring method.

Prior art Kodama (USP. 6,433,809) disclose method of controlling light intensity in image exposure apparatus.

Prior art Debiez et al (USP. 6,473,062) disclose intelligent light source.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

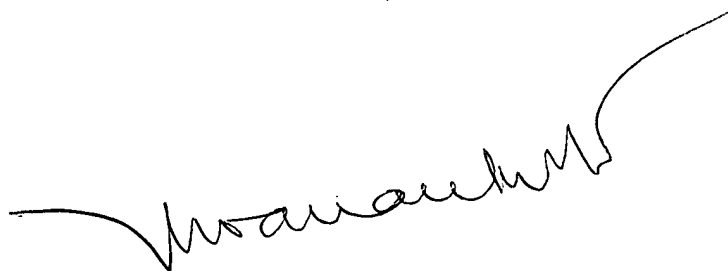
TC

Application/Control Number: 10/615,340

Page 5

Art Unit: 2821

December 13, 2004

A handwritten signature in black ink, appearing to read 'Hoanganh Le', with a long, sweeping horizontal line extending to the left and a smaller flourish to the right.

Hoanganh Le
Primary Examiner